

Notice of Allowability

Application No.

10/626,539

Examiner

Kanji Patel

Applicant(s)

NISHIO ET AL.

Art Unit

2624

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 2/26/07.
2. ☒ The allowed claim(s) is/are 1-4 and 8-10 (renumbered as 1-7).
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413), Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Michele L. Connell on 3/19/07.

The application has been amended as follows:

In the claims:

Claim 1, line 3, replace " an image sensor" with -- a CMOS image sensor--

Claim 1, line 5, after " interest " insert -- by performing an interpolation --

Claim 1, line 7, change " circuit " to -- unit --.

Claim 1, line 12, before " image sensor " insert -- CMOS --

Claim 3, line 4, replace " an image sensor" with -- a CMOS image sensor--

Claim 3, line 9, after " interest " insert -- by performing an interpolation --

Claim 8, line 2, replace " an image sensor" with -- a CMOS image sensor--

Claim 8, line 4, before " image sensor " insert -- CMOS --

Claim 8, line 9, after " interest " insert -- by performing an interpolation --

Claim 9, line 3, replace " an image sensor" with -- a CMOS image sensor--

Claim 9, line 5, after " interest " insert -- by performing an interpolation --

Claim 9, line 10, change " circuit " to -- unit --.

Claim 9, last line, before " image sensor " insert -- CMOS --

Response to Amendment

2. Applicant's amendment filed 2/26/07 has been entered and made of record.

By this amendment, claims 5-7 are cancelled. Claims 1, 3, 8 and 9 are amended. Claims 1-4 and 8-10 are pending in the application.

In response to applicant's submission of a Replacement Sheet (Figure 1), the drawing objection has been withdrawn.

In response to applicant's submission of copies of pages 2-4 and 6 of the specification, which were scanned erroneously in the IFW by the Office, the objection to the specification has been withdrawn.

In response to applicant's cancellation of claims 5-7 and amending the independent claims 1, 3, 8 and 9, by including the allowable subject matter as set forth in paragraph 7 of the last office action, the rejections under 35 USC 102(e) and 103(a) of claims 1-4 and 8-10 have been withdrawn.

Allowable Subject Matter

3. The following is an examiner's statement of reasons for allowance:

Claims 1-4 and 8-10 are allowed.

In response to applicant's cancellation of claims 5-7 and amending the independent claims 1, 3, 8 and 9, by including the allowable subject matter as set forth in paragraph 7 of the last office action mailed on 11/01/06, the rejections under 35 USC 102(e) and 103(a) of claims 1-4 and 8-10 have been withdrawn and all the pending claims 1-4 and 8-10 (renumbered as 1-7) are allowed now.

Art Unit: 2624

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Contact Information

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kanji Patel whose telephone number is (571) 272-7454. The examiner can normally be reached on Monday to Thursday from 8 a.m. to 6:30 p.m. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lillis Eileen can be reached on (571) 272-6928 The fax phone number for the organization where this application or proceeding is assigned is (571)-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kanji Patel
Art Unit 2624
3/15/07


KANJIBHAI PATEL
PRIMARY EXAMINER